CLAIM AMENDMENTS

1. (currently amended): An extraction unit comprising:

a carrier having a bottom surface, and;

an extraction device for mating with the carrier having a first end and a second end, comprising;

a carrier-receiving portion at the first end; and

a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;

wherein the carrier ~~receiving portion~~ mates with the carrier-receiving portion, closes the first opening, seals the first opening to prevent fluid flow through the bottom surface, and forms a reservoir.

2. (previously presented): The extraction unit of claim 1 wherein the reservoir has a volume of approximately 0.01 to 250 μL.

3. (currently amended): The extraction unit of claim 1 wherein the second end is adapted to mate with a vessel such that the vessel is in fluid communication with the conduit.

4. (currently amended): The extraction unit of claim 1 wherein specifically transferred material transferred to the carrier by microdissection and non-specifically transferred material ~~is~~ are present on the carrier and some non-specifically transferred material is excluded from the reservoir and some specifically transferred material transferred is included in the reservoir.

5. (previously presented): An extraction unit comprising:

a carrier, and;

an extraction device for mating with the carrier having a first end and a second end, comprising;

a carrier-receiving portion at ~~a~~ the first end; and

a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;

wherein the carrier receiving portion mates with the carrier, closes the first opening, seals the first opening to prevent fluid flow, and forms a reservoir; and wherein at least a portion of an extending feature on the carrier is excluded from the reservoir.

6. (original): An extraction device for mating with a carrier comprising:

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion; the conduit extending between the carrier receiving portion and a second end;

wherein the carrier-receiving portion is adapted to receive a carrier having a transfer film such that the reservoir is formed and at least a portion of the transfer film is disposed within the reservoir.

7. (original): The extraction device of claim 6 wherein the carrier-receiving portion is adapted to receive the carrier such that at least a portion of the transfer film is disposed outside the reservoir.

8. (original): The extraction device of claim 7 wherein the at least a portion of the transfer film disposed outside the reservoir includes at least one stand-off portion.

9. (original): The extraction device of claim 7 wherein at least a portion of the transfer film disposed outside the reservoir includes matter transferred to the transfer film by non-specific transfer microcapture.

10. (original): The extraction device of claim 6 wherein the at least a portion of the transfer film disposed within the reservoir includes matter transferred to the transfer film by specific transfer microcapture.

11. (previously presented): An extraction device for mating with a carrier comprising:

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the carrier-receiving portion is adapted to receive a carrier to form a reservoir and further adapted to selectively cover at least a portion of the carrier-, and

wherein the at least a portion of the carrier includes an extending feature, and at least a portion of the extending feature is sealed from the reservoir.

12. (previously presented): The extraction device of claim 11 wherein non-specifically transferred material is on the portion of the extending feature sealed from the reservoir.

13. (previously presented): The extraction device of claims 11 or 12 wherein the extending feature comprises one or more stand-offs or spacers.

Claims 14-78 (canceled)

79. (currently amended): A method for extracting matter on a carrier comprising the steps of:

providing a carrier having a transfer film;

transferring matter to the transfer film;

providing an extraction device with a conduit having a first opening and a second opening;

mating the carrier to the extraction device to close the first opening;

forming a reservoir with the transfer film;

providing fluid to the reservoir via the second open[[in]]ing in the conduit to extract matter from the transfer film; and

removing the fluid from the reservoir.

80. (previously presented): The method of claim 79 wherein the step of transferring matter to the transfer film includes transferring matter to the transfer film by specific transfer microcapture; and

further including the step of disposing matter that is adhered to the transfer film by specific transfer microcapture within the reservoir.

81. (original): The method of claim 79 wherein the step of transferring matter to the transfer film includes transferring matter to the transfer film by non-specific transfer microcapture; and

further including the step of substantially excluding matter that is adhered to the transfer film by non-specific transfer microcapture from the reservoir.

82. (original) The method of claim 79 wherein the step of providing a carrier having a transfer film includes providing a carrier with at least one stand-off portion; and further including the step of covering the at least one stand-off portion.

Claims 83-92 (canceled)

93. (currently amended): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion, the conduit having a first opening at the carrier-receiving portion;

wherein the carrier is removably attached to the device ~~mates with the carrier~~ at the carrier-receiving portion such that ~~to form a reservoir and to close~~ the first opening is closed by the bottom surface to prevent fluid flow ~~across~~ through the bottom surface ~~the first opening~~ and to form a reservoir with the bottom surface and at least a portion of the conduit and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir.

94. (previously presented): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has extending features and the extending features are excluded from the reservoir.

95. (previously presented): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has extending features and the extending features are excluded from the reservoir; and

wherein the extending features comprise one or more stand-offs or spacers.

96. (previously presented): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device excludes at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has a transfer film and at least a portion of the transfer film is excluded from the reservoir.

97. (currently amended): The extraction unit of claim 93 wherein the bottom surface of the carrier has a non-specifically transferred material and specifically transferred material that is transferred to the bottom surface by microdissection and at least a portion of the non-specifically transferred material is excluded from the reservoir and at least a portion of the specifically transferred material is included in the reservoir.

98. (currently amended): The extraction unit of claim 93 wherein the extraction device has a second end, the second end being adapted to mate with a vessel such that the vessel is in fluid communication with [[to]] the reservoir.

99. (previously presented): The extraction unit of claim 98 wherein the vessel is a centrifuge tube or a microtiter plate.

100. (currently amended): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion, the conduit having a first opening at the carrier-receiving portion;

wherein the ~~device~~ carrier mates with the ~~carrier~~ device at the carrier-receiving portion to form a reservoir with the bottom surface and at least a portion of the conduit and to close the first opening by the bottom surface and to prevent fluid flow ~~across~~ through the first opening and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir.

101. (previously presented): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has extending features and the device covers the extending features.

102. (previously presented): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has extending features and the device covers the extending features; and

wherein the extending features comprise one or more stand-offs or spacers.

103. (previously presented): An extraction unit comprising:

a carrier having a bottom surface; and

a device adapted for mating with the carrier, the device having;

a carrier-receiving portion at a first end; and

a conduit interconnected to the carrier-receiving portion;

wherein the device mates with the carrier at the carrier-receiving portion to form a reservoir and wherein the device covers at least a portion of the bottom surface of the carrier from the reservoir; and

wherein the bottom surface of the carrier has a transfer film and the device covers at least a portion of the transfer film.

104. (currently amended): The extraction unit of claim 100 wherein the bottom surface of the carrier has a non-specifically transferred material and specifically transferred material transferred to the carrier by microdissection and the device covers at least a portion of the non-specifically transferred material and at least a portion of the specifically transferred material is included in the reservoir.

105. (previously presented): An extraction unit comprising:

a carrier, and;

an extraction device for mating with the carrier having a first end and a second end, comprising;

a carrier-receiving portion at a the first end; and

a conduit interconnected to the carrier-receiving portion; the conduit extending between a first opening at the carrier-receiving portion and a second opening at the second end;

wherein the carrier receiving portion mates with the carrier, closes the first opening, seals the first opening to prevent fluid flow, and forms a reservoir; and

wherein at least a portion of an extending feature on the carrier is excluded from the reservoir; and

wherein the extending features comprise one or more stand-offs or a spacers.

106. (previously presented): A method for extracting matter on a carrier comprising the steps of:

providing a carrier having a transfer film;

transferring matter to the transfer film;

providing an extraction device with a first end and a second end and a conduit extending between the first and second end, the conduit having a first opening at the first end and a second opening at the second end;

mating the carrier to the first end of the extraction device to close the first opening of the conduit to form a reservoir that contains at least a portion of the transfer film;

providing fluid to the reservoir through the second opening to extract matter from the transfer film;

mating a vessel to the second end of the extraction device; and

transferring the fluid from the extraction device into the vessel through the second opening.

107. (previously presented): The method of claim 106 wherein the step of transferring the fluid from the extraction vessel uses centrifugation.

108. (previously presented): The method of claim 106 wherein the step of transferring the fluid from the extraction vessel is performed without separating the carrier or the vessel from the extraction device.